

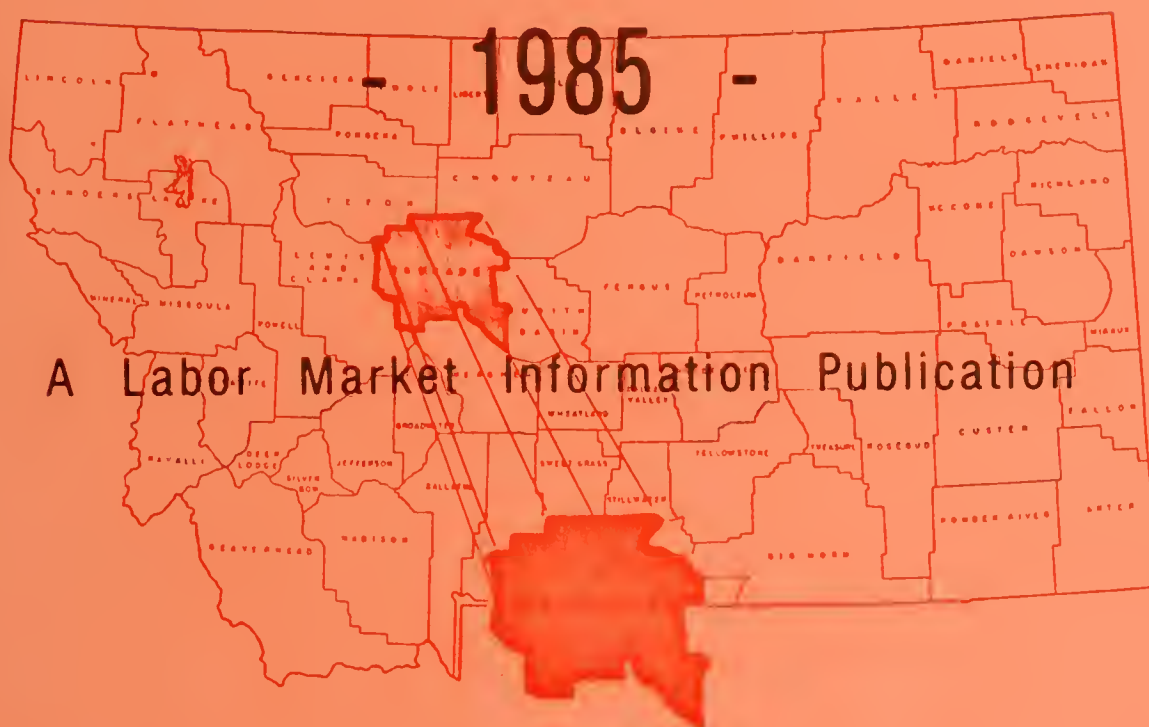
S  
331.12  
E10 mm  
pt, 3  
1977

STATE DOCUMENTS COLLECTION

DECEMBER 1977

MONTANA STATE LIBRARY  
930 E. ARMSTRONG AVE.  
HELENA, MONTANA 59601

# GREAT FALLS AREA PLEASE RETURN INDUSTRY/OCCUPATION PROJECTIONS



RESEARCH AND ANALYSIS SECTION  
EMPLOYMENT SECURITY DIVISION  
DEPARTMENT OF LABOR AND INDUSTRIES  
P.O. BOX 1728  
Helena, Montana 59601



**MONTANA STATE LIBRARY**

S 331.12 E 10mm c.1 v.3  
Industry/occupation projects, 1985 /



3 0864 00024325 6

PART 3: GREAT FALLS STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY/OCCUPATION PROJECTIONS: 1985

A LABOR MARKET INFORMATION PUBLICATION

STATE OF MONTANA

THOMAS L. JUDGE, GOVERNOR

DEPARTMENT OF LABOR AND INDUSTRY  
DAVID E. FULLER, COMMISSIONER

EMPLOYMENT SECURITY DIVISION  
FRED BARRETT, ADMINISTRATOR

PRODUCED BY THE RESEARCH AND ANALYSIS SECTION  
in cooperation with  
EMPLOYMENT AND TRAINING ADMINISTRATION,  
U. S. DEPARTMENT OF LABOR

If additional information is desired, contact:  
Dick Gibson, Supervisor  
Research and Analysis Section  
Employment Security Division  
P.O. Box 1728  
Helena, Montana 59601  
Phone: (406) 449-2430

FOURTH EDITION:

Part 1 State of Montana  
Part 2 Billings SMSA  
Part 3 Great Falls SMSA

Published October 1977



## TABLE OF CONTENTS

	<u>Page</u>
I. Introduction	1
II. Summary and Conclusions	2
A. Great Falls Total Employment by Major Industry Division, 1970, 1974, Projected 1985	2
B. Employment Trends by Major Industry Division	3
C. Great Falls Total Employment by Major Occupational Divisions: 1974 and Projected 1985	6
III. Appendix Statistical Tables	9
Table I - Percent distribution of Employment by Major Industry Division in Great Falls, 1970, 1974, Projected 1985	10
Table II - Employment Change in Great Falls 1970-1974, 1974-1985	11
Table III - Great Falls Employment by Broad Occupational Group: 1970, 1974, Projected 1985	12
Table IV - Great Falls Employment by Occupation 1970, 1974, Projected 1977, Projected 1985	14



## I. INTRODUCTION

In response to the growing need of local manpower planners for detailed information on employment by industry and occupation, the Montana Employment Service periodically updates and publishes available information in order to keep data current with changing conditions.

This document is published to provide a guide as to what industry and occupational profiles will be in the Great Falls area in 1985. While the projections for each industry and occupation appear as specific numbers, they should not be considered precise due to the risks inherent in any type of economic forecasting. However, the figures shown do provide a basic guide to the relative magnitude and direction of industrial and occupational changes that are expected to occur in the Great Falls area by 1985.

## II. Summary and Conclusions

### A. GREAT FALLS TOTAL EMPLOYMENT BY MAJOR INDUSTRY DIVISION<sup>1/</sup> 1970, 1974, PROJECTED 1985

(In Tens)

INDUSTRY	EMPLOYMENT		
	1970	1974	PROJECTED 1985
TOTAL, ALL INDUSTRIES	27,870	30,280	35,340
Agricultural, Forestry, Fisheries	1,590	2,040	1,650
Mining	60	40	30
Construction	2,310	2,070	2,120
Manufacturing	2,880	2,090	1,830
Durable Goods	1,940	1,080	950
Nondurable Goods	940	1,010	880
Transportation, Communication, & Public Utilities	2,220	2,310	2,280
Wholesale and Retail Trade	7,160	8,820	9,920
Wholesale Trade	1,420	1,900	2,150
Retail Trade	5,740	6,910	7,700
Finance, Insurance, and Real Estate	1,580	1,980	2,280
Services	8,090	8,660	12,310
Public Administration	1,980	2,270	2,920

<sup>1/</sup> Refer to Appendix, Table I, for Percent Distribution of Employment by Industry, and Table II, Employment Change in Great Falls.



B. EMPLOYMENT TRENDS BY MAJOR INDUSTRY DIVISION

1. Total Employment

Total employment in the Great Falls area is expected to reach 35,340 by the year 1985, an increase of 5,060 persons over 1974.

Growth in the Great Falls area economy and likewise its employed labor force closely parallels that of Montana as a whole and has historically lagged behind the national rate of growth. Our lack of primary industry results in slow recovery from economic recession and extreme seasonality in employment. This is partially due to Montana's large land area, sparse population and distance from major marketing centers.

2. Agriculture, Forestry, Fisheries

Employment in this industrial division in the Great Falls area is concentrated in agriculture, and is one of the primary industries which have provided the economic base from which our large retail and service industries have flourished. Although employment in 1985 is expected to decline 19.1 percent from 2,040 in 1974 to 1,650 in 1985 agriculture is still extremely important as far as the revenue it provides, but is becoming less important as an employer. Agriculture has become more mechanized, producing more, and requiring less manpower. Although agricultural employment is not expected to grow, normal attrition will still require workers in this industry.

3. Mining

Historically mining has not exerted great influence on the Great Falls area economy, and employment in this industry is expected to decline through 1985.

4. Construction

Employment in the construction industry is expected to reach 2,120 by 1985. This is an increase of 50 workers over 1974 levels, but a decrease of 190 workers over 1970 levels. Because construction activity is subject to extreme seasonality and is dependent to a large extent on external factors, i.e., Federal spending policies, availability of money, and current interest rates, employment is difficult to predict on a long term basis. However, our local economy should sustain a limited amount of growth through 1985.

5. Manufacturing

Manufacturing in the Great Falls area, for the most part, is confined to the production of primary metals and food and kindred products. Employment in this industry has declined from 2,880 in 1970 to 2,090 in 1974, and is projected to be 1,830 in 1985.

6. Transportation, Communication and Public Utilities

Employment in this industry is expected to remain relatively stable, decreasing by only 30 workers from 2,310 in 1974 to 2,280 in 1985.

7. Wholesale and Retail Trades

The wholesale and retail trade industries are expected to increase significantly throughout the forecast period. Total employment is expected to be 9,920 by 1985. The Great Falls area economy is able to support this important industry due to the fact that Great Falls has become a trade center for a large rural area, emphasis on tourism, and the presence of a large military facility near the city.

8. Finance, Insurance, and Real Estate

Employment in this industry is expected to increase from 1,980 workers in 1974 to 2,280 workers in 1985. Although increases in this industry are linked to population increases, interest rates and availability of money recent increases in new home construction and real estate speculation will require additional workers through 1985.

9. Services

In recent years the availability of money and more leisure time has increased the demand for services of all kinds. The obvious result has been a dramatic increase in the number of jobs in these fields, particularly those which are tourist or recreation oriented. Because of this, employment is projected to reach 12,310 in service industries by 1985.

10. Public Administration

The growth of government employment has been fairly rapid in recent years due to demand for educational services and expansion of state and local government programs. Employment is expected to reach 2,920 workers by 1985, a 650 increase over 1974.

C.

GREAT FALLS  
TOTAL EMPLOYMENT BY MAJOR OCCUPATIONAL DIVISIONS: 2/  
1974 and PROJECTED 1985

*(In Tens)*

<u>OCCUPATIONAL DIVISION</u>	<u>1974</u>	<u>Projected 1985</u>	<u>Percent Change</u>
TOTAL, ALL OCCUPATIONS	30,280	35,340	16.71
Professional, Technical, Kindred	4,060	5,140	26.53
Managers, Officials, and Proprietors	4,270	4,990	16.93
Clerical and Kindred	5,380	6,800	26.47
Sales Workers	2,390	2,700	12.76
Craftsmen, Foremen and Kindred	3,430	3,750	9.42
Operatives and Kindred	2,970	3,030	2.05
Service Workers	4,680	6,210	37.78
Laborers, Except Farm and Mine	1,600	1,710	6.81
Farmers and Farm Workers	1,490	1,000	-33.09

2/ Refer to Appendix, Table III for Great Falls Employment by Broad Occupational Group, and Table IV for Great Falls Employment by Occupation.

D. EMPLOYMENT TRENDS BY MAJOR OCCUPATIONAL DIVISIONS

Analysis of employment by occupational division reveals that in the forecast period 1974 to 1985 the occupational mix of the Great Falls area labor force will continue to shift from blue collar and farm oriented occupations to white collar and service oriented occupations. While the numbers of workers in all major occupational divisions, with the exception of farmers and farm workers, will increase through 1985, the white collar and service oriented occupations will generally increase at a faster rate than blue collar occupations.

The occupational division projected to show the largest percentage increase in number of workers through 1985 is that of service workers. This group should increase nearly 38 percent from 4,680 workers in 1974 to 6,210 workers in 1985. Increases in white collar occupational divisions are led by professional, technical and kindred workers and clerical and kindred workers which should both increase nearly 26.5 percent by 1985. Increases in blue collar occupational divisions range from a high of 9.4 percent for craftsmen, foremen, and kindred workers to a 2 percent increase in operatives and kindred workers. The only occupational division projected to show a decrease in workers in 1985 is that of farmers and farmworkers. This division is projected to decrease 33 percent from 1,490 workers in 1974 to 1,000 workers in 1985.



III

APPENDIX

STATISTICAL TABLES

TABLE I  
PERCENT DISTRIBUTION OF EMPLOYMENT  
BY MAJOR INDUSTRY DIVISION IN GREAT FALLS  
1970, 1974, PROJECTED 1985

INDUSTRY	PERCENT DISTRIBUTION		
	<u>1970</u>	<u>1974</u>	<u>Projected 1985</u>
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00
Agriculture, Forestry and Fisheries	5.70	6.73	4.67
Mining	.20	.11	.10
Contract Construction	8.30	6.85	6.00
Manufacturing	10.34	6.89	5.18
Transportation, Communication, & Public Utilities	7.95	7.62	6.45
Wholesale and Retail Trade	25.68	29.13	28.07
Finance, Insurance, & Real Estate	5.68	6.53	6.45
Services	29.03	28.61	34.83
Public Administration	7.12	7.51	8.26



TABLE II  
EMPLOYMENT CHANGE IN GREAT FALLS,  
1970-1974, 1974-1985

(In Tens)

INDUSTRY	EMPLOYMENT CHANGE 1970-1974			EMPLOYMENT CHANGE 1974-1985		
	<u>Entire Period</u>	<u>Percent</u>	<u>Average Annual</u>	<u>Entire Period</u>	<u>Percent</u>	<u>Average Annual</u>
TOTAL, ALL INDUSTRIES	2,350	8.45	590	5,060	16.71	460
Agriculture, Forestry, Fisheries	450	28.24	110	-390	-19.12	-35
Mining	-20	-34.55	-10	*	-8.33	*
Construction	-240	-10.34	-60	50	2.36	*
Manufacturing	-850	-29.48	-210	-250	-12.18	-20
Durable Goods	-870	-44.93	-220	-130	-11.67	-10
Nondurable Goods	20	2.34	10	-130	-12.72	-10
Transportation, Other Public Utilities	90	4.02	20	-30	-1.26	*
Wholesale and Retail Trade	1,660	23.23	420	1,100	12.44	100
Wholesale Trade	480	34.08	120	250	13.13	20
Retail Trade	1,180	20.55	300	850	12.25	80
Finance, Insurance, Real Estate	400	24.95	100	300	15.32	30
Services	580	7.12	140	3,640	41.99	330
Public Administration	290	14.62	70	650	28.54	60

TABLE III

GREAT FALLS EMPLOYMENT BY BROAD OCCUPATIONAL GROUP:  
1970, 1974, PROJECTED 1985  
(In Tens)

OCCUPATIONAL GROUP	EMPLOYMENT						
	1970	Percent	1974	Projected		Projected	
				Percent	1977	Percent	1985
TOTAL, ALL OCCUPATIONS	27,870	100.00	30,280	31,240	100.00	35,340	100.00
Professional, Technical, Kindred	3,930	14.10	4,060	4,330	13.86	5,140	14.95
Engineers, Technical	230	.84	210	230	.72	260	.75
Life and Physical Scientists	50	.18	50	60	.18	60	.18
Engineers, Science Technicians	190	.67	200	220	.69	280	.79
Medical Workers, Except Technicians	600	2.16	560	620	1.97	780	2.21
Health Technologists and Technicians	150	.54	160	180	.59	240	.71
Technicians, Except Health	190	.69	230	260	.82	320	.94
Computer Specialists	20	.08	30	30	.11	40	.12
Social Scientists	20	.08	30	30	.10	50	.14
Teachers	1,360	4.89	1,280	1,300	4.17	1,400	3.96
Writers, Artists, Entertainers	280	.99	340	370	1.19	460	1.35
Other Professional, Technical	830	2.98	969	1,040	3.32	1,230	3.48
Managers, Officials, Proprietors	3,410	12.24	4,270	4,450	14.23	4,990	14.12
Buyers, Sales, Loan Managers	600	2.14	720	770	2.45	910	2.58
Administrators, Public Inspectors	370	1.33	430	470	1.50	580	1.64
Other Managers, Officials, Proprietors	2,440	8.77	3,130	3,210	10.28	3,510	9.93
Sales Workers	2,090	7.50	2,390	2,460	7.88	2,700	7.64
Clerical Workers	4,760	17.09	5,380	5,740	18.37	6,800	19.24
Stenographers, Typists, Secretaries	1,310	4.71	1,460	1,570	5.04	1,920	5.43
Office Machine Operators	160	.59	190	190	.61	190	.57
Other Clerical Workers	3,290	11.79	3,740	3,970	12.72	4,690	13.27
Crafts and Kindred Workers	3,660	13.12	3,430	3,500	11.21	3,750	10.61
Construction Crafts Workers	1,160	4.17	1,010	1,020	3.27	1,070	3.03
Blue Collar Worker Supervisor, NEC	470	1.67	420	430	1.37	470	1.33
Metal Work, Craft Workers, exc. Mechanics	120	.44	90	90	.28	80	.24

EMPLOYMENT

OCCUPATIONAL GROUP

	1970	Percent	1974	Percent	Projected	
					1977	1985
					Percent	Percent
Mechanics, Repairers, Installers	1,070	3.82	1,130	3.70	1,190	1,370
Printing Trade Crafts Workers	100	.38	100	.31	90	70
Transportation, Public Utilities Craft	170	.60	170	.55	160	160
Other Crafts, Kindred Workers	570	2.03	530	1.73	520	520
Operatives	3,120	11.20	2,970	9.82	2,970	3,030
Operatives, Except Transport	2,050	7.35	1,800	5.92	1,800	1,850
Semi-skilled Metal Working	310	1.13	160	.52	150	150
Semi-skilled Packing, Inspecting	170	.61	170	.55	170	180
Other Operatives, Except Transportation	1,550	5.57	1,470	4.85	1,470	1,520
Transportation Equipment Operatives	1,070	3.85	1,180	3.89	1,170	1,180
Service Workers	4,330	15.53	4,680	15.46	5,070	6,210
Cleaning Service Workers	740	2.65	750	2.48	830	1,060
Food Service Workers	1,580	5.68	1,820	6.02	1,880	2,040
Health Service Workers	570	2.06	570	1.87	660	920
Personal Service Workers	780	2.79	950	3.15	1,090	1,470
Protective and Service Workers	240	.86	260	.85	270	320
Private Household Workers	410	1.49	330	1.09	350	420
Laborers, Except Farm	1,490	5.35	1,600	5.28	1,620	1,710
Farmers and Farm Workers	1,080	3.89	1,490	4.92	1,100	1,000
Farmers and Farm Managers	610	2.19	780	2.57	570	370
Farm Laborers, Farm Supervisors	470	1.69	710	2.36	530	630

TABLE IV

GREAT FALLS EMPLOYMENT BY OCCUPATION  
1970, 1974, Projected 1977, Projected 1985

(in tens)

OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1985</u>
TOTAL, ALL OCCUPATIONS	27,870	30,280	31,240	35,340
Professional, Technical, Kindred	3,930	4,060	4,330	5,140
Engineers, Technical	230	210	230	260
Engineers, Chemical	10	10	10	10
Engineers, Civil	110	90	100	110
Engineers, Electrical	60	60	60	60
Engineers, Industrial	20	10	10	10
Engineers, Mechanical	30	20	30	30
Engineers, Metalurgical	10	10	10	10
Engineers, Sales	10	10	10	10
Engineers, Other	10	10	10	10
Life and Physical Scientists	50	50	60	60
Agricultural Scientists	10	10	10	10
Atmospheric, Space Scientists	20	30	30	30
Chemists	10	10	10	10
Engineers, Science Technicians	190	200	220	280
Agricultural, Biological Tech. exc. Health	30	30	40	50
Chemical Technicians	20	10	20	20
Drafters	40	40	40	50
Electrical, Electronic Technicians	40	60	60	90
Surveyors	50	50	50	60
Engineering, Science Technicians NEC	10	10	10	10
Medical Workers, Except Technicians	600	560	620	780
Chiropractors	10	10	10	10
Dentists	60	50	50	70
Dietitians	10	10	10	20
Optometrists	20	10	20	20
Pharmacists	20	20	20	20
Physicians, M.D. & Osteopaths	110	80	100	130
Podiatrists	20	20	20	20
Registered Nurses	320	310	340	420
Therapists	30	30	40	50
Veterinarians	20	20	20	20
Health Technologists & Technicians	150	160	180	240
Clinical Lab Technologists, Technicians	100	100	110	140
Radiologic Technologists, Technicians	20	30	30	40
Therapy Assistants	10	10	10	10
Other Health Technologists, Technicians	30	30	40	60

OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1985</u>
Technicians, Except Health	190	230	260	330
Airplane Pilots	40	50	50	60
Air Traffic Controllers	110	130	140	190
Radio Operators	20	20	20	30
Other Technicians Except Health	30	40	40	60
Computer Specialists	20	30	30	40
Computer Programmers	20	20	20	30
Computer Systems Analysts	10	10	10	10
Social Scientists	20	30	30	50
Psychologists	10	10	10	10
Urban and Regional Planners	20	20	20	30
Teachers	1,360	1,280	1,300	1,400
Adult	10	20	20	20
College and University Teachers	60	60	60	50
Elementary School Teachers	700	600	620	700
Pre-school Kindergarten	40	50	50	60
Secondary School Teachers	480	460	450	440
Teachers NEC, Except College, University	80	100	110	140
Writers, Artists, Entertainers	280	340	370	470
Athletes and Kindred Workers	20	40	40	40
Designers	10	10	10	10
Editors and Reporters	50	40	40	50
Musicians and Composers	80	120	130	190
Painters and Sculptors	20	40	40	50
Photographers	10	10	10	10
Public Relations Specialists	40	50	50	70
Radio, TV Announcers	30	30	30	20
Writers, Artists, Entertainers, NEC	10	20	20	20
Other Professional, Technical	830	970	1,040	1,230
Accountants	260	330	340	380
Architects	30	30	40	50
Clergy	60	60	70	90
Religious, Except Clergy	50	50	50	70
Farm Management Advisors	20	10	10	10
Foresters, Conservationists	20	30	30	40
Lawyers	100	120	130	170
Librarians	60	80	80	100
Personnel Labor Relations	100	100	100	110
Research Workers, NEC	10	20	20	20
Recreation Workers	20	30	30	40
Social Workers	80	90	100	110
Vocational, Educational Counselors	30	30	40	60
<u>MANAGERS, OFFICIALS, PROPRIETORS</u>	<u>3,410</u>	<u>4,270</u>	<u>4,450</u>	<u>4,990</u>
Buyers, Sales, Loan Managers	600	720	770	910
Bank, Financial Managers	180	220	230	280
Credit Managers	60	60	70	80
Buyers, Shippers, Farm Products	20	10	10	10
Buyers, Wholesale, Retail	30	40	40	50

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1985
Purchasing Agents, Buyers, NEC	20	20	20	30
Sales Manager, Retail Trade	180	230	250	300
Sales Manager, Except Retail Trade	120	140	140	160
Administrators, Public Inspectors	370	430	470	580
Assess, Control, Local Public Admin.	20	20	20	20
Construction Inspector, Public	10	20	20	20
Health Administrators	70	90	90	120
Inspectors, Except Construction, Public	70	90	100	120
Officials, Administrators, Public	110	120	130	150
Postmasters and Mail Supervisors	10	10	10	10
School Administrators, College	30	30	40	60
School Administrators, Elementary, Secondary	60	60	70	80
Other Managers, Officials, Proprietors	2,440	3,130	3,210	3,510
Funeral Directors	10	10	10	10
Managers, Superintendants, Building	40	50	50	60
Office Managers, NEC	130	150	160	190
Officials of Lodges, Unions	60	60	60	80
Railroad Conductors	30	20	30	30
Restaurant, Cafe, Bar Managers	190	210	210	200
Other Managers, Administrators	1,984	2,630	2,700	2,930
<u>SALES WORKERS</u>	2,090	2,390	2,460	2,700
Advertising Agents, Sales Workers	50	60	70	80
Auctioneers	10	10	10	10
Demonstrators	40	40	50	60
Hucksters and Peddlers	170	170	180	210
Insurance Agents, Brokers, Etc.	230	310	310	340
Newspaper Carrier and Vendor	70	40	40	30
Real Estate Agents, Brokers	90	110	110	120
Stock and Bond Sales Agents	50	60	60	60
Sales and Sales Workers, NEC	1,390	1,590	1,640	1,800
<u>CLERICAL WORKERS</u>	4,760	5,380	5,740	6,800
Stenographers, Typists, Secretaries	1,310	1,460	1,570	1,920
Secretaries, Legal	40	50	60	80
Secretaries, Medical	30	30	40	50
Secretaries, Other	890	1,030	1,140	1,430
Stenographers	140	110	90	50
Typists	210	230	250	300
Office Machine Operators	160	190	190	190
Bookkeeping, Billing Operators	30	30	30	30
Computer, Peripheral Equipment	50	80	90	110
Duplicating Machine Operators	10	10	10	10
Key punch Operators	80	80	70	50
Other Clerical Workers	3,290	3,740	3,970	4,690
Bank Tellers	80	90	90	100
Billing Clerks	40	50	50	70
Bookkeepers	640	730	740	780
Cashiers	380	480	490	540



OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1985
Clerical Supervisors, NEC	100	110	120	150
Collectors, Bill and Account	60	70	70	80
Counter Clerks, Except Food	120	150	160	210
Dispatcher, Starter, Vehicle	40	40	40	40
Enumerators and Interviewers	80	90	90	90
Estimators, Investigators, NEC	120	140	150	180
Expeditors, Production Controllers	20	20	20	30
File Clerks	30	30	40	40
Insurance Adjusters, Examiners	50	70	70	80
Library Attendants, Assistant	70	80	90	110
Mail Carriers, Post Office	90	90	90	90
Mail Handlers, Except Post Office	20	20	20	20
Messengers, and Office Helpers	10	10	10	10
Payroll, Time Keeping Clerks	30	30	30	30
Postal Clerks	80	80	80	80
Real Estate Appraisers	20	30	30	40
Receptionists	220	220	240	310
Shipping, Receiving Clerks	140	160	180	200
Statistical Clerks	100	110	110	110
Stock Clerks, Store Keepers	90	100	110	120
Teachers Aides, Except Monitors	110	150	200	290
Telephone Operators	160	160	150	140
Ticket Station, Express Agents	60	60	60	60
Weighers	20	20	20	30
Misc. Clerical Workers, NEC	320	350	460	660
<u>CRAFTS AND KINDRED WORKERS</u>	3,660	3,430	3,530	3,750
Construction Crafts Workers	1,160	1,010	1,030	1,070
Carpenters and Apprentices	430	430	430	440
Brick and Stonemasons and Apprentices	60	40	40	60
Bulldozer Operators	20	20	20	20
Cement and Concrete Finishers	30	30	30	30
Electricians and Apprentices	120	100	100	100
Excavating, Grading, Machine Operator	250	170	180	220
Painters and Apprentices	70	70	70	70
Plumbers, Pipefitters and Apprentices	120	100	100	110
Structural Metalcraft Workers	40	30	30	30
Blue Collar Worker Supervisor, NEC	470	420	430	470
Metalworking Craft Workers Except Mechanics	120	90	90	80
Blacksmiths	10	10	10	10
Boilermakers	30	20	20	20
Machinists and Apprentices	30	20	20	20
Sheetmetal Workers and Apprentices	40	40	40	40
Mechanics, Repairers, Installers	1,070	1,130	1,210	1,370
Air Conditioner, Heating, Refrig. Mechanics	20	30	40	40
Aircraft Mechanics	40	50	50	60
Auto Accessories Installers	10	10	10	10
Auto Body Repairers	70	80	80	90
Auto Mechanics and Apprentices	330	380	400	450
Data Processing Mechanics Repairers	10	20	20	40

OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1985</u>
Farm Implement Mechanics	60	70	80	100
Heavy Equipment Mechanics, Inc. Diesel	250	220	230	240
Household Appliance Mechanics	40	40	40	50
Office Machine Repairers	30	40	50	60
Radio, Television Repairers	70	60	70	90
Railroad, Car Shop Repairers	50	40	40	40
Other Mechanics and Apprentices	90	100	100	110
Printing Trade Crafts Workers	110	100	90	70
Compositors and Typesetters	80	70	60	50
Printing Press Operators and Apprentices	20	20	20	20
Transportation, Public Utility Craft	170	170	160	160
Electric Power Line Installer, Repairers	20	20	20	20
Locomotive Engineers	30	30	30	30
Locomotive Engineers Helpers	20	10	10	10
Telephone Installers, Repairers	70	80	80	80
Telephone Line Installers, Splicers	30	30	30	30
Other Crafts, Kindred Workers	570	530	520	520
Bakers	70	80	80	80
Crane, Derrick, and Hoist Operators	100	50	50	50
Decorators, Window Dressers	40	50	50	40
Dental Laboratory Technician	20	20	20	20
Glaziers	10	10	20	20
Inspectors, Other	60	50	50	40
Millers, Grain, Flour, Feed	20	20	20	20
Motion Picture Projectionists	10	10	10	10
Opticians, Lens Grinder, Polisher	10	20	20	30
Shoe Repair	20	20	20	30
Sign Painters and Letterers	10	10	10	10
Stationary Engineers	160	130	120	100
Tailors	10	10	10	10
Upholsterers	10	10	10	10
Crafts, Kindred Workers, NEC	30	50	50	50
<u>OPERATIVES</u>	3,120	2,970	2,970	3,030
Operatives, Except Transport	2,050	1,790	1,800	1,850
Semi-skilled Metalworking	310	160	150	150
Furnace Tenders, Smelters, Pourers	270	120	120	110
Lathe, Milling Machine Operatives	10	10	10	10
Welders and Flame Cutters	30	30	30	30
Semi-skilled Packing, Inspecting	170	170	170	180
Checkers, Examiners, Etc., Mfg.	60	40	40	40
Meat Wrappers, Retail Trade	10	10	10	10
Packer, Wrappers, Except Meat, Produce	100	120	120	120
Produce Grader, Packer, Except Fact., Farm	10	10	10	10
Other Operatives, Except Transport	1,550	1,470	1,480	1,520
Assemblers	10	30	30	30
Bottling, Canning Operatives	20	20	20	20
Surveyor Helpers	20	10	10	20
Clothing Ironers and Pressers	40	40	40	50



OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1985</u>
Cutting Operatives, NEC	10	20	20	20
Dressmakers, Except Factory	50	40	40	40
Drillers, Earth	10	10	10	10
Dry Wall Installers, Lathers	20	30	30	30
Filer, Polisher, Sander, Buffer	10	10	10	10
Garage Workers, Gas Station Attendants	220	220	220	210
Laundry, Dry Cleaning Operators, NEC	80	80	100	120
Meat Cutters, Butchers, Except Mfg.	60	70	70	70
Meat Cutters, Butchers	40	70	70	70
Mine Operatives, NEC	10	10	10	10
Oilers, Greasers, Except Auto	70	30	30	20
Painters, Manufacturing Articles	10	10	10	20
Photographic Process Workers	10	20	20	20
Sewers and Stitchers	30	60	50	50
Furnace Tender, Stoker Except Metal	20	10	10	10
Misc. Machine Operatives	360	290	290	300
Operatives NEC	460	380	390	420
Transport Equipment Operatives	1,070	1,180	1,170	1,180
Bus Drivers	110	120	120	120
Delivery and Route Workers	230	290	290	320
Fork Lift, Tow Motor Operatives	20	20	20	30
Rail Vehicle Operators, NEC	10	10	10	10
Parking Attendants	20	30	20	20
Railroad Brake Operators	30	20	20	30
Railroad Switch Operators	70	50	50	50
Taxicab Drivers, Chauffeurs	30	30	30	20
Truck Drivers	550	620	610	590
<u>SERVICE WORKERS</u>	4,330	4,680	5,070	6,210
Cleaning Service Workers	740	750	830	1,060
Lodging Quarters Cleaners, Except Private	140	150	180	230
Building Interior Cleaners, NEC	240	240	280	370
Janitors and Sextons	360	350	380	450
Food Service Workers	1,580	1,820	1,880	2,040
Bartenders	230	290	300	340
Waiter's Assistants	50	70	70	70
Cooks, Except Private	440	520	550	620
Dishwashers	80	80	80	80
Food Counter, Fountain Workers	90	110	110	110
Waiters	530	580	590	630
Food Workers, NEC, Except Private	180	180	190	190
Health Service Workers	570	570	660	920
Dental Assistants	30	20	30	30
Health Aides, Except Nursing	50	60	70	90
Nurses Aides, Orderlies	360	330	380	510
Practical Nurses	130	150	180	280

OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1985</u>
Personal Service Workers	780	950	1,090	1,490
Attendants, Recreation, Amusement	60	70	80	100
Attendants, Personal Service, NEC	40	30	40	50
Baggage Porters and Bellhops	10	10	10	10
Barbers	110	140	150	190
Child Care Workers, Except Private	270	340	410	600
Elevator Operators	20	10	10	10
Hairdressers, Cosmetologists	210	260	300	410
Housekeepers, Except Private	50	50	50	60
School Monitors	10	10	10	10
Welfare Service Aides	10	30	40	50
Protective and Service Workers	240	260	270	320
Firefighters	60	70	70	80
Guards	40	40	40	40
Police and Detectives	100	100	110	150
Sheriffs and Bailiffs	40	40	50	60
Private Household Workers	410	330	350	420
Child Care Workers	370	300	320	370
Housekeepers, Private	20	10	10	20
Private Household Cleaners, Servants	30	20	30	30
<u>LABORERS, EXCEPT FARM</u>	<u>1,490</u>	<u>1,600</u>	<u>1,620</u>	<u>1,710</u>
Animal Caretakers, Except Farm	30	40	40	30
Carpenters Helpers	60	40	40	30
Construction Labor, Exc. Carpenter Help	320	210	220	230
Freight, Material Handlers	190	180	180	170
Garbage Collectors	40	50	60	90
Gardeners, Groundkeepers, Except Farm	110	140	140	160
Stock Handlers	290	400	410	460
Teamsters	10	10	10	10
Vehicle Washers, Equipment Cleaners	90	110	120	140
Warehouse Laborers, NEC	240	320	320	300
Other Laborers	110	90	90	90
<u>FARMERS AND FARM WORKERS</u>	<u>1,080</u>	<u>1,490</u>	<u>1,100</u>	<u>1,000</u>
Farmers and Farm Managers	610	780	570	370
Farmers (Owners and Tenants)	560	710	520	290
Farm Managers	50	70	50	80
Farm Laborers, Farm Supervisors	470	710	530	630
Farm labor Supervisors	40	50	40	50
Farm Laborers, Wage Workers	410	590	430	530
Farm laborers, Unpaid Family	10	10	10	10
Farm Laborers, Self-Employed	10	60	40	40



